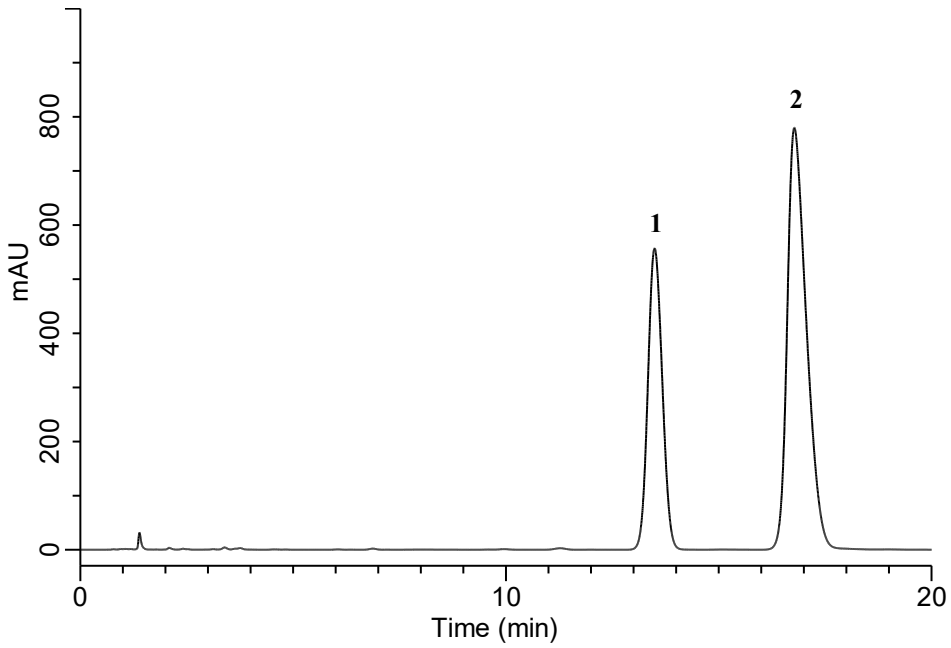
Analysis of Ibuprofen

(Under the Condition of USP43-NF38)



Conditions

System	:	Chromaster HPLC system (HITACHI)
Column	:	Inertsil WP300 C18 (GL Sciences Inc.) (5 μm, 150 x 4.0 mm I.D.)
Column Cat. No.	:	5020-05835
Eluent	:	Solution*
Flow Rate	:	2.0 mL/min
Col. Temp.	:	30 ℃
Detection	:	UV 218 nm
Injection Vol.	:	5 μL
Sample	:	Standard

Analyte:

1.Valerophenone 5,000 mg/L
2.Ibuprofen 5,000 mg/L

Relative retention times
Valerophenone : 13.48 (0.8)
Ibuprofen : 16.78 (1.0)

Resolution : 4.56 (≧ 2.0)
RSD of the
peak area of 2 (%)(n=6) : 1.13

* Prepare a suitable filtered mixture of water, previously adjusted with phosphoric acid to a pH of 2.5 and acetonitrile (1340:680).